THE DETERMINATION OF CHEMICAL OXYGEN DEMAND BY SEMI-AUTOMATED COLORIMETRY EPA 410.4 REVISION 2.0 1993 Page 1 of 3							
Facility Name:	VELAP ID						
Assessor Name:Analyst Name:	Inspection Date			nte			
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments		
Records Examined: SOP Number/ Revision/ Date		Analyst:					
Sample ID: Date of Sample Prepar	ation:		_ Da	nalysis:			
Was the reagent water used ASTM Type II or equivalent?	7.1						
Were samples collected in glass or plastic bottles?	8.1						
Were samples preserved with H_2SO_4 to a pH <2 and cooled to $4^{\circ}C$ at the time of collection?	8.2						
Were preserved samples maintained 4°C and held for no longer than 28 days prior to analysis?	8.3						
Initial Demonstration of Performance							
Did the laboratory perform an Initial Demonstration of Capability prior to analyzing samples?	9.1						
Did the laboratory determine a Linear Calibration Range on its spectrometer when beginning this method?	9.2.2						
Did the laboratory verify the Linear Calibration Range every six months or whenever a significant change in instrument response was observed or expected?	9.2.2						
Did the verifications of linearity consist of a blank and three standards and measure the data points to be within ±10%?	9.2.2 10.1						
When beginning this method and every quarter did the laboratory analyze QCS samples to be within ±10% of stated values?	9.2.3						
Were QCS samples analyzed before determining MDLs?	9.2.3 10.7						
Were MDLs determined when laboratory began method, when new operator began work, when there was a significant change in instrument response, and every six months?	9.2.4						
Notes/Comments:							

Method eference 2.4 2.4 3.1 3.1 3.2 3.3	Y	N	N/A	Comments
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Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Data Analysis and Calculations					
Were calibration curves formed by plotting instrument response against standard concentration?	12.1				
Were only values that fell between the lowest and highest calibration curve reported?	12.2				
Were samples that fell above the calibration range diluted and reanalyzed?	12.2				